

# DNA Replication and Human Disease

EDITED BY Melvin L. DePamphilis

This book presents a thorough analysis of the molecular events that govern DNA replication in eukaryotic cells. The association between genome replication and cell proliferation, disease pathogenesis, and the development of targeted therapeutics is also addressed. At least 160 proteins are involved in replicating the human genome, and at least 40 diseases are caused by aberrant DNA replication, 35 by mutations in genes required for DNA replication or repair, 7 by mutations generated during mitochondrial DNA replication, and more than 40 by DNA viruses. Consequently, a growing number of therapeutic drugs are targeted to DNA replication proteins. This authoritative volume provides a rich source of information for researchers, physicians, and teachers, and will stimulate thinking about the relevance of DNA replication to human disease.



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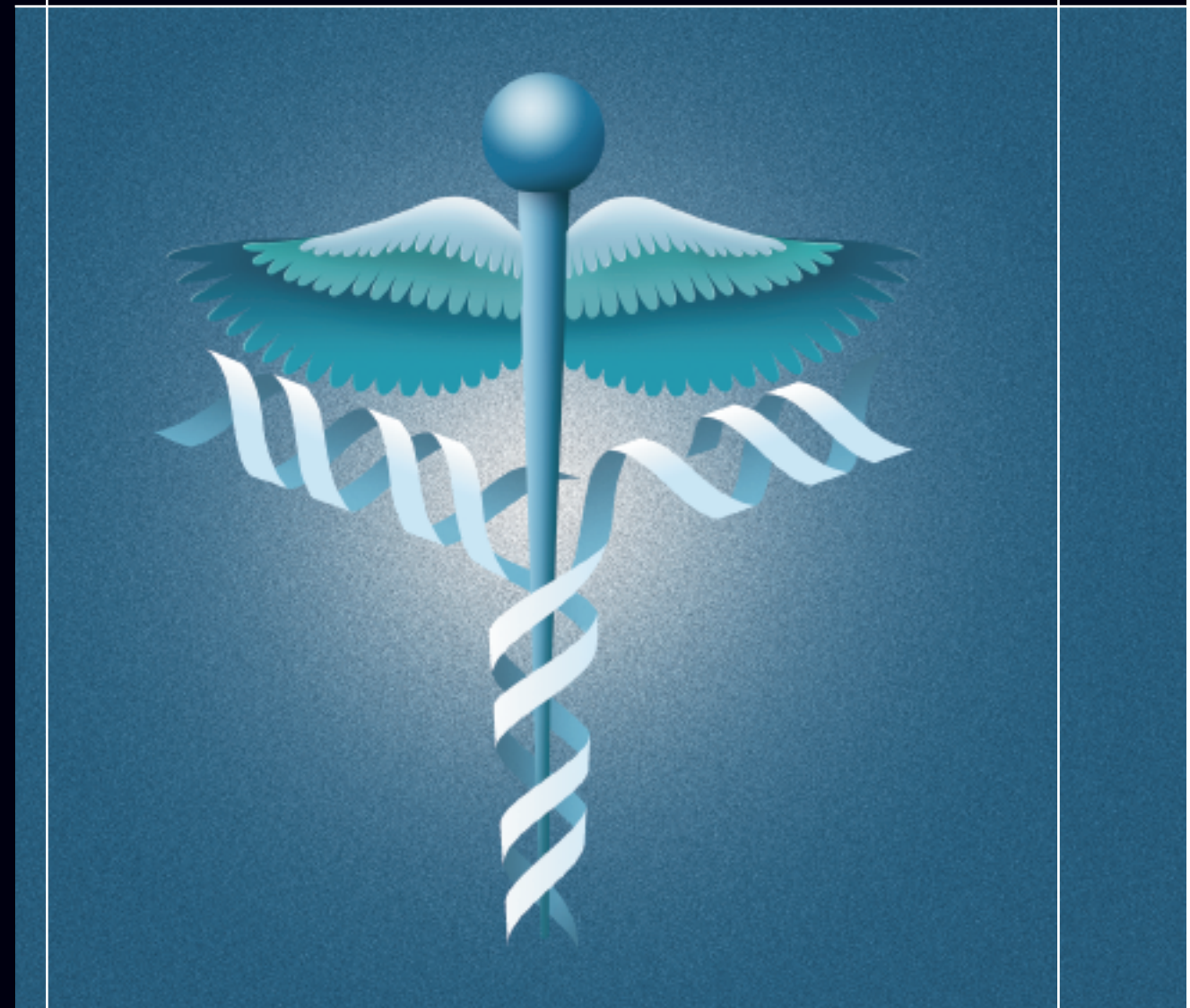
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# Contents

Dedication, xi

Preface, xv

## CELLULAR DNA REPLICATION

- 1 Duplication of DNA in Eukaryotic Cells, 1  
*Thomas J. Kelly and Bruce Stillman*
- 2 Eukaryotic DNA Replication Origins, 31  
*Mirit I. Aladjem, Arturo Falaschi, and David Kowalski*
- 3 Assembly of Pre-replication Complexes, 63  
*Umasundari Sivaprasad, Anindya Dutta, and Stephen P. Bell*
- 4 Activation of Pre-replication Complexes, 89  
*Johannes C. Walter and Hiroyuki Araki*
- 5 Eukaryotic DNA Replication Forks, 105  
*Peter M.J. Burgers and Yeon-Soo Seo*
- 6 Chromatin Assembly, 121  
*Paul D. Kaufman and Geneviève Almouzni*
- 7 Inheritance of Genomic Methylation Patterns, 141  
*Robert A. Rollins, Marc Damelin, and Timothy H. Bestor*
- 8 Termination of DNA Replication, 155  
*Deepak Bastia and Bidyut K. Mohanty*
- 9 DNA Replication and Nuclear Architecture, 175  
*David M. Gilbert and Susan M. Gasser*
- 10 Temporal Order of DNA Replication, 197  
*Anne D. Donaldson and Carl L. Schildkraut*

viii Contents

- 11 DNA Replication during Animal Development and Its Relevance to Gene Expression, 217  
*Damien Grégoire and Marcel Méchali*
- 12 Developmental Gene Amplification, 233  
*Brian R. Calvi*
- 13 Plant Cells and Viruses, 257  
*Crisanto Gutierrez*
- 14 Archaeal, Bacterial, and Eukaryal DNA Replication Machines, 273  
*Stephen D. Bell*

REGULATION OF DNA REPLICATION AND CELL PROLIFERATION

- 15 Regulating Initiation Events in Yeasts, 295  
*Etienne Schwob and Karim Labib*
- 16 Regulating Initiation Events in Metazoa, 313  
*Melvin L. DePamphilis and J. Julian Blow*
17. Responses to Aberrant DNA Replication and DNA Damage in Yeasts, 335  
*Marco Foiani, Sanjay Kumar, and Joel A. Huberman*
- 18 Responses to Aberrant DNA Replication and DNA Damage in Metazoa, 357  
*Jean Gautier and Jiri Bartek*

CELLULAR DNA REPLICATION AND HUMAN DISEASE

- 19 DNA Damage and Human Disease, 377  
*Errol C. Friedberg*
- 20 DNA Polymerases and the Fidelity of DNA Replication, 391  
*Polina V. Shcherbakova and Thomas A. Kunkel*
- 21 The Role of RF-C and PCNA Proteins in Maintaining Genomic Stability, 411  
*Toshiki Tsurimoto*
- 22 DNA Helicases and Human Disease, 435  
*Ashwini S. Kamath-Loeb, Michael Fry, and Lawrence A. Loeb*
- 23 DNA Replication, Repeat Instability, and Human Disease, 461  
*John D. Cleary, Albert R. La Spada, and Christopher E. Pearson*

- 24 DNA Replication and Cancer, 481  
*William C. Burhans, Antony M. Carr, and Geoffrey M. Wahl*
- 25 Cancer Diagnosis and DNA Replication, 501  
*Nicholas Coleman, Anthony D. Mills, and Ronald A. Laskey*
- 26 Pharmacological Agents That Target DNA Replication, 519  
*Yves Pommier and Robert B. Diasio*
- 27 Mitochondrial DNA Replication and Human Disease, 547  
*David A. Clayton and Nils-Göran Larsson*
- 28 Telomere DNA Replication, Telomerase, and Human Disease, 561  
*David C.F. Sealey, Virginia A. Zakian, and Lea Harrington*

#### VIRAL DNA REPLICATION AND HUMAN DISEASE

- 29 Parvovirus, 593  
*Susan F. Cotmore and Peter Tattersall*
- 30 Papillomavirus, 609  
*Louise T. Chow and Thomas R. Broker*
- 31 Polyomavirus, 627  
*Ellen Fanning and James M. Pipas*
- 32 Adenovirus, 645  
*Peter C. van der Vliet and Rob C. Hoeben*
- 33 Herpes Simplex Virus, 663  
*Sandra K. Weller and Donald M. Coen*
- 34 Epstein-Barr Virus, 687  
*Wolfgang Hammerschmidt and Bill Sugden*
- 35 Poxvirus, 707  
*Bernard Moss and Frank De Silva*
- 36 Hepadnavirus, 729  
*Christoph Seeger and William S. Mason*

#### APPENDIX 1

- A. Molecular Interaction Maps of DNA Replication, 745  
*Mirit I. Aladjem and Kurt W. Kohn*

x Contents

B. The Evolutionary History of Proteins Involved in Pre-replication  
Complex Assembly, 751

*Lakshminarayan M. Iyer and L. Aravind*

APPENDIX 2

Table I. Size and Complexity of Eukaryotic Genomes, 761

Table II. Names and Abbreviations for Organisms, Genes, and  
Protein Complexes, 762

Table III. Nomenclature for Proteins and Protein Complexes in  
Different Organisms, 766

Table IVA. Phyletic Distribution of Proteins Involved in  
Pre-replication Complex Assembly, 778

Table IVB. Alternative Names for Orthologs, 780

Table V. Cellular Concentrations of Replication Origins and  
Pre-replication Complex Proteins, 782

Table VI. Human Diseases Associated with Defects in DNA  
Replication or Repair, 784

Table VII. Therapeutic Drugs That Target DNA Replication, 792

Index, 797